

## COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

Project Name/Location:				Contract Number: W9127N-06-C-CRCI			
Columbia River Channel Improvement, RM 101+10 to 100+40							
12/2/2005							
<b>Dredge</b> OREGON	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DRP-1 (21)	20.1	7:23:45	7623059.992	734534.524	3.7	NA
	DRP-1R1	20.7	7:24:16	7623040.343	734536.169	3.7	NA
<b>Tidal Stage</b> Ebb	DRP-2 (22)	20.5	7:33:52	7622791.47	734983.057	3.7	11.4
	DRP-3 (23)	20.4	7:39:44	7622747.421	735218.107	3.9	NA
	DRP-4 (24)	19.9	7:47:26	7623026.61	735022.422	3.7	NA
<b>Weather:</b> Overcast, lt rain	<b>Retest @ point of exceedance</b>						
<b>Wind:</b> 0-5 kts							
<b>Seas:</b> 0-1'							
<b>Disposal location</b> Gateway (upland)	All coordinates are Oregon State Plane North 3601; Datum: NAD 83						
<b>Remarks:</b>				<b>Action Taken:</b>			
No exceedances.				None required.			
John Cannon present during sampling.							
DRP-1R1 Retested because we did not have dredge coordinates.							
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DRP-1	Background - 100' Up Current, Within 600-Foot of Channel					N/A	Not Required
DRP-2	100' Down Current of the Cutterhead					OR	OR, WA
DRP-3	300' Down Current of the Cutterhead					WA	Not Required
DRP-4	150' lateral of the cutterhead (Port or Starboard)					WA	Not Required
DRPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

## COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 101+10 to 100+40 <b>12/2/2005</b>				<b>Contract Number:</b> W9127N-06-C-CRCI			
<b>Dredge</b> Oregon <b>Tidal Stage</b> Ebb  <b>Weather:</b> Overcast, lt rain <b>Wind:</b> 0-5 kts <b>Seas:</b> 0-1' <b>Disposal location</b> Gateway (Upland)	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DSPP-1 (11)	20.1	7:53:48	7623890.044	735540.631	3.9	NA
	DSPP-2 (12)	20.4	7:56:47	7623815.972	735754.27	NA	11.4
	DSPP-3 (13)	20.0	7:59:36	7623535.685	736193.639	3.9	NA
	<b>Retest @ point of exceedance</b>						
	All coordinates are Oregon State Plane North 3601; Datum: NAD 83						
<b>Remarks:</b>				<b>Action Taken:</b>			
No exceedances.				None required.			
John Cannon present during sampling.							
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

# COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 101+10 to 100+40 <b>12/2/2005</b>				<b>Contract Number:</b> W9127N-06-C-CRCI			
<b>Dredge</b> Oregon <b>Tidal Stage</b> Ebb  <b>Weather:</b> Overcast, lt rain <b>Wind:</b> 0-5 kts <b>Seas:</b> 0-1' <b>Disposal location</b> Gateway (Upland)	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DSPP-1 (11)	20.1	9:22:03	7623882.653	735550.687	4.2	NA
	DSPP-2 (12)	20.1	9:24:55	7623782.932	735752.642	NA	11.3
	DSPP-3 (13)	19.9	9:29:29	7623496.625	736196.193	5.5	NA
	<b>Retest @ point of exceedance</b>						
	All coordinates are Oregon State Plane North 3601; Datum: NAD 83						
<b>Remarks:</b>				<b>Action Taken:</b>			
No exceedances.				None required			
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

## COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 101+10 to 100+40				<b>Contract Number:</b> W9127N-06-C-CRCI			
<b>12/2/2005</b>							
<b><u>Dredge</u></b> Oregon <b><u>Tidal Stage</u></b> Ebb  <b><u>Weather:</u></b> Overcast, lt rain <b><u>Wind:</u></b> 0-5 kts <b><u>Seas:</u></b> 0-1' <b><u>Disposal location</u></b> Gateway (Upland)	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DSPP-1 (11)	20.1	11:24:17	7623819.906	735538.583	4.3	NA
	DSPP-2 (12)	20.1	11:28:10	7623795.29	735782.936	NA	11.4
	DSPP-3 (13)	20.4	11:33:09	7623528.427	736217.552	4.1	NA
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">Retest @ point of exceedance</div> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>							
All coordinates are Oregon State Plane North 3601; Datum: NAD 83							
<b>Remarks:</b>				<b>Action Taken:</b>			
No exceedances.				None required.			
Sample point numbers in parenthesis correspond with							
YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

## COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 101+10 to 100+40 <b>12/2/2005</b>				<b>Contract Number:</b> W9127N-06-C-CRCI			
<b><u>Dredge</u></b> Oregon <b><u>Tidal Stage</u></b> Ebb  <b><u>Weather:</u></b> Overcast, lt rain <b><u>Wind:</u></b> 0-5 kts <b><u>Seas:</u></b> 0-1' <b><u>Disposal location</u></b> Gateway (Upland)	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DSPP-1 (11)	20.2	13:20:27	7623889.391	735517.305	4.0	NA
	DSPP-2 (12)	20.2	13:23:25	7623833.494	735749.767	NA	11.6
	DSPP-3 (13)	20.0	13:28:08	7623538.548	736158.906	4.1	NA
	<b>Retest @ point of exceedance</b>						
	All coordinates are Oregon State Plane North 3601; Datum: NAD 83						
<b>Remarks:</b> No exceedances.				<b>Action Taken:</b> None required.			
Sample point numbers in parenthesis correspond with YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

## COLUMBIA RIVER CHANNEL IMPROVEMENTS - DREDGING

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 101+10 to 100+40 <b>12/2/2005</b>				<b>Contract Number:</b> W9127N-06-C-CRCI			
<b>Dredge</b> Oregon <b>Tidal Stage</b> Ebb  <b>Weather:</b> Overcast <b>Wind:</b> 0-5 Kts <b>Seas:</b> 0-1' <b>Disposal location</b> Gateway (Upland)	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X-Coordinate</b>	<b>Y-Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DSPP-1 (11)	20.1	15:21:54	7623892.204	735480.749	4.6	NA
	DSPP-2 (12)	19.9	15:24:07	7623810.002	735742.035	NA	11.6
	DSPP-3 (13)	20.2	15:26:36	7623516.999	736156.592	3.9	NA
	<b>Retest @ point of exceedance</b>						
	All coordinates are Oregon State Plane North 3601; Datum: NAD 83						
<b>Remarks:</b> No exceedances.				<b>Action Taken:</b> None required.			
Sample point numbers in parenthesis correspond with YSI 650 MDS logged data.							
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DSPP-1	100' up current (background) within 600' channel					N/A	N/A
DSPP-2	100' down current from the discharge					Not Required	WA
DSPP-3	600' down current, 150' lateral to the discharge					WA	Not Required
DSPPT	Indicates additional testing at the point of exceedence						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

<b>Dredge Sugar Island</b> Project Name/Location:		Contract Number: W9127N-05-C-0012					
<b>Columbia River Channel Improvement - RM 95+00-104+20.</b>							
Date: 12/02/2005							
Dredging <u>Load Number</u>  <u>Tidal Stage</u>  <u>Dredge State:</u>  <u>Weather:</u>  <u>Wind:</u>  <u>Seas:</u>  <u>Disposal location</u>	Sample Point	Depth (ft)	Time	X Coordinate	Y Coordinate	Turbidity (NTU)	DO (Mg/L)
<b>Remarks:</b> No testing today because dredge was fueling during daylight hours.			<b>Action Taken:</b>				
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						